

ADN Series - 3-Phase

120-960 Watts

Total Power: 120-960 Watts
Input Voltage: 380-480 Vac
Outputs: Single



Special Features

- Complies with EN61000-3-2
- DC OK Signal (indicator)
- Adjustable voltage
- Industrial grade design (no derating to 60 °C)
- User-friendly front panel
- Single phase input available
- Highly efficient >90% switching technology
- High MTBF and reliability
- Peak current capability 2x rated current for 2 seconds
- Three year warranty

Safety

- CB
- EN60950
- EN50178
- EN60204
- UL508 Listed
- cULus
- UL 60950
- cURus
- CE
- EN61000-3-2
- IEC 60079-15 Class 1

Electrical Specifications

Input	
Nominal voltage:	380-480 VAC
AC Input range:	340-576 Vac
DC Input range:	450-820 Vdc
Frequency:	47-63 Hz, 500 Hz
Phase:	1Ø or 3Ø on 5, 10 & 20 A models. (On 20 A unit, derate to 75% when operating 1Ø). 30 A & 40 A models are 3Ø only
Output	
Nominal Voltage:	24 V (22.5 - 28.5 VDC Adj.)
Hold-up time:	> 20 ms at full load (25 °C)
Tolerance:	< ± 2% overall (combination line/load/time/temp)
Line regulation:	< 0.5%
Load regulation:	< 0.5%
Time and temp. drift:	< 1%
Initial voltage setting:	24.5 V ± 1%
Ripple:	< 50mVpp
Overvoltage protection:	> 30.5 < 33 Vdc

Environmental Specifications

Storage/shipment:	-25 °C to +85 °C
Operating (convection):	-10 °C to +60 °C (derate to 50% at +70 °C)
Humidity:	<90% RH noncondensing per IEC 68-2-2, 68-2-3 IP20 (EN60529), protection from moisture and condensation

Ordering Information

Model Number	Weight	Power	Voltage	Current
ADN5-24-3PM	1.7 lbs (730g)	120W	380-480 Vac	5 A
ADN10-24-3PM	2.16 lbs (980g)	240W	380-480 Vac	10 A
ADN20-24-3PM	3.97 lbs (1800g)	480W	380-480 Vac	20 A
ADN30-24-3PM	4.0 lbs (2000g)	720W	380-480 Vac	30 A
ADN40-24-3PM	6.6 lbs (3300g)	960W	380-480 Vac	40 A

Dimensions - inches (mm)

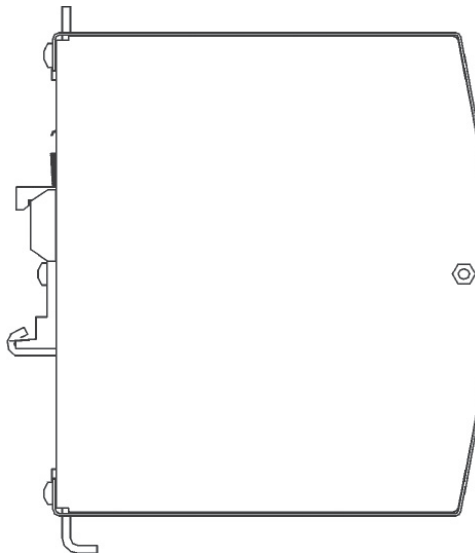
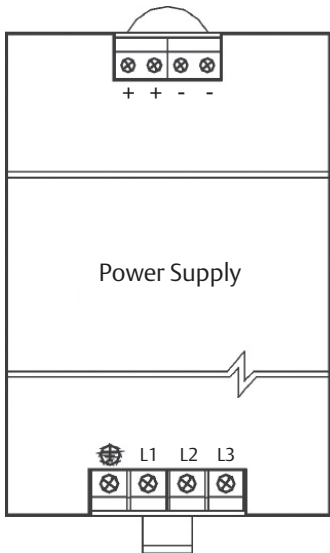
	Height	Width	Depth
ADN5-24-3PM	4.88 (124)	2.91 (73)	4.55 (116)
ADN10-24-3PM	4.88 (124)	3.50 (89)	4.55 (116)
ADN20-24-3PM	4.88 (124)	5.90 (150)	4.55 (116)
ADN30-24-3PM	4.88 (124)	9.72 (247)	4.55 (116)
ADN40-24-3PM	4.88 (124)	11.10 (282)	4.55 (116)

Installation

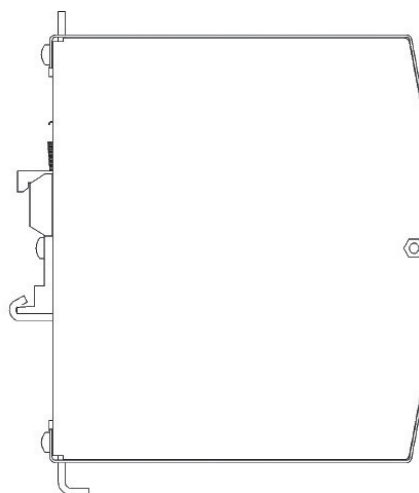
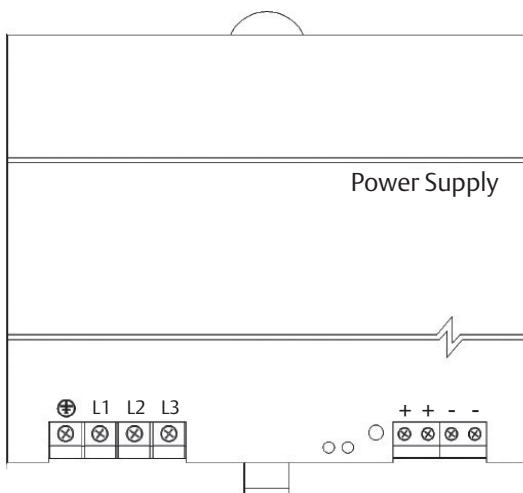
Fusing:							
- Input:	Internally fused.						
- Output:	Outputs are capable of providing high currents for short periods of time for inductive load startup or switching. Fusing may be required for wire/loads if 2x Nominal O/P current rating cannot be tolerated. Continuous current overload allows for reliable fuse tripping.						
Mounting:	Simple snap-on system for DIN Rail TS35/7.5 or TS35/15 or chassis-mounted (optional screw mounting set SDN-PMBRK2 required).						
Connections:	Input: IP20-rated screw terminals, connector size range: 16-10 AWG (1.5-6 mm ²) for solid conductors. 16-12 AWG (0.5-4 mm ²) for standard conductors. Output: Two connectors per output, connector size range: 16-10 AWG (1.5 - 6mm ²) for solid conductors.						
Case:	Fully enclosed metal housing with fine ventilation grid to keep out small parts.						
- Free Space:	<table border="0"> <tr> <td>25 mm above and below</td> <td>70 mm above and below</td> </tr> <tr> <td>25 mm left and right</td> <td>25 mm left and right</td> </tr> <tr> <td>15 mm in front</td> <td>15 mm in front</td> </tr> </table>	25 mm above and below	70 mm above and below	25 mm left and right	25 mm left and right	15 mm in front	15 mm in front
25 mm above and below	70 mm above and below						
25 mm left and right	25 mm left and right						
15 mm in front	15 mm in front						

Mechanical Drawing

ADN5



ADN10-40



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